

U.S. Appn. No. 09/899,767  
Response and Amendment dated October 15, 2004  
Reply to Final Office Action of September 14, 2004  
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#### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

#### LISTING OF CLAIMS

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1. (Currently Amended) A combinatorial screening apparatus comprising:
    - a) a cell body containing a fluid inlet;
    - b) a fluid permeable, conductive, catalyst array support positioned adjacent to the cell body, said catalyst array support having multiple locations for supporting solids and having a first side and a second side;
    - c) an independent catalyst mask positioned adjacent to the first side of the catalyst array support, said catalyst mask ~~having material removed to form~~ defining holes where the holes are arranged in alignment with the multiple locations for supporting solids of the catalyst array support and thereby defining an unobstructed area above each location for supporting solids and masking the remainder of the catalyst array support; and
    - d) a cell cover positioned adjacent to the catalyst array support, said cell cover ~~having material removed to allow~~ defining an opening for monitoring of the solids; and;
    - e) an excitation source in alignment with the cell cover wherein the excitation source is an ultraviolet radiation source.
  2. (Original) The apparatus of Claim 1 further comprising a detector in alignment with the cell cover.
  3. (Currently Amended) The apparatus of Claim 1 further comprising a gas diffuser positioned between the catalyst array support and fluid inlet of the cell body.
  4. (Cancelled).
  5. (Cancelled).
  6. (Original) The apparatus of Claim 1 further comprising at least one fastener.
  7. (Original) The apparatus of Claim 1 further comprising a seal between each of the elements a-d of Claim 1.